

(c) *Extension of time.* For good cause shown, the Regional Engineer may extend the time for filing an independent consultant's report under this subpart.

§ 12.39 Taking corrective measures after the report.

(a) *Corrective plan and schedule.* (1) Not later than 60 days after the report of the independent consultant is filed with the Regional Engineer, the licensee must submit to the Regional Engineer three copies of a plan and schedule for designing and carrying out any corrective measures that the licensee proposes.

(2) The plan and schedule may include any proposal, including taking no action, that the licensee considers a preferable alternative to any corrective measure recommended in the report of the independent consultant. Any proposed alternative must be accompanied by the licensee's complete justification and detailed analysis and evaluation in support of that alternative.

(b) *Carrying out the plan.* The licensee must complete all corrective measures in accordance with the plan and schedule submitted to, and approved or modified by, the Regional Engineer.

(c) *Extension of time.* For good cause shown, the Regional Engineer may extend the time for filing the plan and schedule required by this section.

Subpart E—Other Responsibilities of Applicant or Licensee

§ 12.40 Quality control programs.

(a) *General rule.* During any construction, repair, or modification of project works, including any corrective measures taken pursuant to § 12.39 of this part, the applicant or licensee must maintain any quality control program that may be required by the Regional Engineer, commensurate with the scope of the work and meeting any requirements or standards set by the Regional Engineer. If a quality control program is required, the construction, repair, or modification may not begin until the Regional Engineer has approved the program.

(b) If the construction, repair, or modification work is performed by a construction contractor, quality con-

trol inspection must be performed by the licensee, the design engineer, or an independent firm, other than the construction contractor, directly accountable to the licensee. This paragraph is not intended to prohibit additional quality control inspections by the construction contractor, or a firm accountable to the construction contractor, for the construction contractor's purposes.

(c) If the construction, repair, or modification of project works is performed by the applicant's or licensee's own personnel, the applicant or licensee must provide for separation of authority within its organization to make certain that the personnel responsible for quality control inspection are, to the satisfaction of the Regional Engineer or other authorized Commission representative, independent from the personnel who are responsible for the construction, repair or modification.

§ 12.41 Monitoring instruments.

(a) In designing a project, a licensee must make adequate provision for installing and maintaining appropriate monitoring instrumentation whenever any physical condition that might affect the stability of a project structure has been discovered or is anticipated. The instrumentation must be satisfactory to the Regional Engineer and may include, for example, instruments to monitor movement of joints, foundation or embankment deformation, seismic effects, hydrostatic pore pressures, structural cracking, or internal stresses on the structure.

(b) If an applicant or licensee discovers any condition affecting the safety of the project or project works during the course of construction or operation, the applicant or licensee must install and maintain any monitoring devices and instruments that may be required by the Regional Engineer or other authorized Commission representative to monitor that condition.

§ 12.42 Warning and safety devices.

To the satisfaction of, and within a time specified by, the Regional Engineer, an applicant or licensee must install, operate, and maintain any signs, lights, sirens, barriers, or other safety